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**INTELLECTUAL PROPERTY EXAMINATION OFFICE  
UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of: **ARAI, Youichi, et al.**

Group Art Unit: **Not yet assigned**

Serial No.: **10/551,386**

Examiner: **Not yet assigned**

Filed: **September 29, 2005**

For: **DEVICE AND METHOD FOR DETECTING FULLY CHARGED STATE,  
STATE OF CHARGE AND DEGRADATION DEGREE**

**INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

December 5, 2005

Sir:

The attention of the Patent and Trademark Office is hereby directed to the document listed on the attached Form PTO-1449. A copy of the document is attached.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.


The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.



The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS,  
HANSON & BROOKS, LLP

*for*   
William G. Kratz, Jr.  
Attorney for Applicant  
Reg. No. 22,631

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WGK/nrp  
Atty. Docket No. 050639  
Suite 1000  
1725 K Street, N.W.  
Washington, D.C. 20006  
(202) 659-2930



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PATENT TRADEMARK OFFICE

Enclosures: PTO-1449 and reference (1)



<b>INFORMATION DISCLOSURE CITATION PTO-1449</b>	Atty. Docket No. <b>050639</b>	Serial No. <b>10/551,386</b>
	Applicant(s): <b>ARAI, Youichi, et al.</b>	
	Filing Date: <b>September 29, 2005</b>	Group Art Unit:

### U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA					
_____	AB					
_____	AC					
_____	AD					
_____	AE					

### FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Translation (Yes or No)
_____ AF 2002-345162	11/29/02	JP	Abstract only
_____ AG			
_____ AH			
_____ AI			
_____ AJ			

### OTHER DOCUMENTS

_____ AK	
_____ AL	

Examiner	Date Considered
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